Docket No.: 0670-251

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	Art Unit: 2837
Junichi HAYAKAWA et al.)	Examiner: K. Lockett
Serial No. 09/720,028)	
Filed: December 20, 2000)	
For: SPEAKER DIAPHRAGM)	RECEIVED
		NOV 2 6 2003
		OFFICE OF PETITIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application. Copies of the references listed are submitted herewith in accordance with 37 C.F.R. 1.98(a).

JP 57-200996 describes that a plurality of ribs 12 which are equally separated are formed between the inner circumference 11a and outer circumference 11b, and these ribs 12 curve from points on the inner circumference 11a to the outer circumference 11b.

JP 64-067100 describes a speaker diaphragm which is made up of polypropylene, in which a radially-shaped ribs are formed.

JP 11-075290 and JP 60-213198 describe a speaker diaphragm which is made up of polypropylene.

It was noted that while the rib of Reference 2 has constant curvature, the curvature of the ribs of the present invention varies in accordance with the distance from the center.

- 2 -

d

0

Also, while at least one surface is curved in an area from the projection to the recess in the present invention, both the surfaces are folded in an area from the projection to the recess in Reference 2 (see, for example, Fig. 3 of the present application and Fig. 4 of Reference 2). Furthermore, while the projections of the present invention extend in the radial direction from a central area to an edge portion, the ribs of Reference 1 do not extend in the radial direction. Finally, Reference 2 does not teach or suggest every element of the present invention other than a plurality of the ribs which extend radially.

As a result of these arguments, the present invention has been allowed through the first Japanese Office Action dated August 22, 2003.

This Information Disclosure Statement is being submitted with an RCE. Therefore, no fee is required.

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 50-2280. A duplicate copy of this sheet is attached.

Respectfully submitted,

Eric J. Robinson

Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C. PMB 955
21010 Southbank Street
Potomac Falls, Virginia 20165
(571) 434-6789

Sheet

K. Lockett

0670-251

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

(use as many sheets as necessary)

Complete if Known

Application Number

Filling Date

Filling Date

First Named Inventor

Group Art Unit

2837

Examiner Name
Attorney Docket Number

				U.S. PATENT DOCUMENT	S	· · · · · · · · · · · · · · · · · · ·	
Examiner Cite Initials No.		U.S. Par	ent Document	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code ² (if known)	Document		ECEIVED	
					8 1	LOLIVED	
					NI NI	♥ 2 6 2003	
	-				VEER	E OF PETITIONS	
					Offic	EUFFEIIIUNS	

				FC	DREIGN PATENT DOC	UMENTS		
	Cite No.1	Foreign Patent Document		Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	r t	
		Office ³	Number ⁴	Kind Code ³ (if known)	Applicant of Cited Document	MM-DD-YYYY	Relevant 1 But es 1 specific	-
_	+	JP	57-20099	5		06/07/1981		NONE
		JP	64-06710	0		03/13/1989		AB
	+	JP	11-07529	0		03/16/1999		AB
	_	JP	60-21319			10/25/1985		AB
								L
			07	HER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Initials	Cite No.1		Include r	name of the auth k, magazine, jo	nor (in CAPITAL LETTERS), purnal, serial, symposium, catal publisher, city and/or coun	og, etc.)., date, page(s), volum	priate), title of the e-issue number(s),	T ²
		Not	ification of	Refusal Re	eason, Japanese Paten	t Office, August 26, 2	2003	FULL
	<u> </u>							

Examiner	Date
Examine	Campidared
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.